

## **Voluntary Remediation Program (VRP) Site Specific Summary**

October 1, 2013 – March 31, 2014

### VRP00073 BASF Corporation, Williamsburg Plant

No VRP report activity reported for the period however active work continues with RCRA staff.

### VRP00107 Portsmouth Manufactured Gas Plant

Sediment remediation began in the fall of 2013 and lasted through late winter 2014. The project consists of excavating 1 to 3 feet of PAH-impacted sediments from approximately 2.7 acres in Crawford Bay, and disposing of the sediments in a subtitle D landfill. A site visit was conducted in January 2014 to observe the operations.

### VRP00128 Petersburg Town Gas Plant

No information submitted to DEQ-VRP during this time period.

### VRP00137 AAF/McQuay

The Conceptual Design for the Sub-Slab Depressurization System (SSDS) was submitted and approved by DEQ. Additional sub-slab sampling is necessary to determine the full extent of sub-slab TCE impacts. DEQ has requested installation of the SSDS as proposed proceed as soon as possible, although expansion of the SSDS will likely be necessary.

### VRP00172 Wood Preservers Inc.

The VRP Certificate was issued in November 2013, and recorded in the land records of Richmond County in December 2013.

### VRP00173 BASF Portsmouth (Hoechst Celanese Corp.)

A demonstration of completion report and draft comments have been discussed with the participant. Use restrictions and site surveys have also been discussed due to the size and complexity of the site.

### VRP00190 Virginia Panel Facility

No activity this reporting period.

### VRP00204 Colonial Heights Landfill

Current methane monitoring data was requested for gas probe GP-2, to verify that the corrective measures installed in 2011 remain effective. DEQ is awaiting the monitoring report.

### VRP00210 West Point Paper Mill

The Certificate of Completion is actively being discussed with the participant.

VRP00241 Alexandria Town Gas

**Groundwater Remediation System-** The three-stage groundwater treatment system consisting of an oil-water separation, biosparging, and filtration treatment zones was installed during the past year. Routine operation of the system began with routine monitoring and maintenance being performed to optimize performance. Background water quality testing has been conducted and is in the process of being summarized and evaluated. Free product gauging and recovery efforts have continued during this time period.

**Sediment Remediation Plan-** A sediment remediation plan and design has been prepared for implementation at the site. The plan outlines a program to dredge sediment with residual coal tar constituents from the near-shore area of the Potomac River and replace said material with a multi-layered protective cap system. The protective cap will serve to a) control vertical groundwater migration, b) provide additional ground water filtration, c) armor the system against aggressive wave action/storm fetch, and d) provide for a naturalized appearance at original grade. The City is in the process of planning for these activities and will prepare a bid package to obtain contractor services needed to undertake the proposed activities. Routine maintenance on the existing booms is being performed and will continue for as long as is needed.

VRP00244 Coalter Street Manufactured Gas Plant

No information submitted to DEQ-VRP during this time period.

VRP00260 Fairfax Lumber and Millwork

New site number assigned VRP 00595. DEQ met with VDOT and FHWA to discuss their modified bridge construction plans intended to minimize earth work and worker exposure. FHWA applied and was granted status as co-applicant to the VRP site.

VRP00261 Witter Street Property (Formerly CSX Lot 700)

Certificate issued in November 2013 and the recreational fields are in use.

P00270 Carlyle Block P

Met with developer October 2013 to discuss redevelopment plans and environmental risk

VRP00278 GE Tidewater Service Center

Meetings were held in December 2013 and January 2014 to discuss the remaining data needs at the site. Additional on-site and off-site data is being collected to close data gaps and support an updated risk assessment. A Work Plan was submitted in March 2014 that is being evaluated by DEQ.

VRP00291 Featherstone

No information submitted to DEQ-VRP during this time period.

VRP00294 General Chemical-Hopewell Works

No activity during this reporting period.

VRP00305 Carlyle Block O

DEQ is currently evaluating follow-up information submitted as part of the Demonstration of Completion Report. A Draft Certificate has also been submitted to DEQ.

VRP00306 Maida Development

.In January 2014, the participant submitted a response to DEQ comments on the Demonstration of Completion report that adequately addressed all remaining issues. A meeting was held with the participant in March 2014 to discuss the process for drafting the of the VRP Certificate.

VRP00308 Hess Corporation

A meeting was held in December 2013 at EPA Region III offices, where Hess Corporation representatives provided information to EPA regarding the VRP remedial activities that have been conducted since 2003. Operation of the DNAPL Recovery and Phytoremediation Systems continued during this reporting period. DEQ is awaiting submittal of the Annual Report

VRP00315 Rocketts Landing

Development of site continues.

VRP00320 Altavista Wastewater Treatment Plant

Altavista has moved forward on various phyto and bio remediation projects without DEQ approval and are completing this work at their own risk. There continues to be no communication with the City regarding this project.

VRP00326 Former Fashion Care Cleaners

In November, six months after issuance of the Certificate of Satisfactory Completion of Remediation, the participant requested to amend the SSDS plan to remove the spray-on barrier. After receiving a simple plan addendum documenting that the spray on barrier would be replaced by 15 mil poly sheeting approval of the change was granted.

VRP 00327 South Valley Shopping Center

The Demonstration of Completion report and the SSDS O&M Plan were approved by DEQ in February 2014. The next step is for the participant to submit the remaining VRP fee and the Draft Certificate.

VRP00334 Arlington Industrial Area/Crescent Potomac Properties

Arlington and DEQ held several conference calls and meetings to discuss the Demonstration of Completion of Parcels 14 and 15 and the development of the Certificate as well as the next phases of work.

VRP00338 Cintas Corporation - Portsmouth

The consultant contacted DEQ in February 2014 to inquire about the recently updated VRP screening values. The Site Characterization Report is being prepared for submittal.

VRP00356 Oakville Industrial Park

Quarterly groundwater and system monitoring continues. A System Operations and Monitoring Reports were submitted on December 10, 2013 and March 14, 2014. It appears that the extent and concentrations of the groundwater plume and soil vapor have been reduced.

VRP00362 Hagwoods Cleaners

No activity during this reporting period.

VRP00386 Pivotal Propane of VA Inc. (formerly Steuart Investment Company Site)

A site meeting was scheduled for April 2014 to discuss the current status of the VRP project.

VRP00391 Madison Wood Preservers

No activity during this reporting period.

VRP00412 Former Masonite/Knight-Celotex

DEQ received a Corrective Action Plan including conceptual plans to expand the remedy to install additional wells and peroxide injections

VRP00414 Virginia Dry Cleaners

No activity during this reporting period.

VRP00418 Sudley Towne Plaza

On October 24, 2013, the consultant provided an email outlining field activities to support further site characterization. DEQ concurred with the proposed field activities on October 29, 2013.

VRP00421 Brighton Cleaners

No activity this period.

VRP00422 Schenkel Rose (H. R. Schenkel, Inc. or Lynchburg Grows)

Staff met with participant regarding development of the Certificate and conducted a site visit.

VRP00423 Former Allen-Morrison Site

The consultant submitted a summary of the remedial actions and discussed work completed and additional work to be undertaken for both the upper and the lower portions of the property. Funding continues to be the main impediment to completion of this project.

VRP00430 Water's Edge Apartments

Site is under new ownership and an updated application was submitted to DEQ.

VRP 00439 Brewery Site (former)

Final draft Certificate currently under review.

VRP 00442 Wayside Cleaners

No activity this period.

VRP00447 Kempsville Shoppes

No activity this period.

VRP00449 Main Street Marketplace

Additional soil gas results were supplied to and approved by DEQ in March of 2013. The participant published a public notice on July, 3, 2013 and DEQ is still awaiting confirmation of any comments or concerns by the public.

VRP00454 Nu-Look Cleaners

Results of the sub-slab sampling were reviewed by DEQ, and discussed with the consultant in December 2013. Design of the proposed SSDS is the next step.

VRP00457 Dulles Discovery Property

Consultant emailed Meade Anderson inquiring into the possibility of a BFPP for a lessee

VRP00460 2<sup>nd</sup> and Jackson Street Site

An updated site characterization and revised risk assessment were submitted on January 24, 2014, which included new groundwater and soil vapor monitoring results collect in October 2013.

VRP00461 Virginia Concrete Company Plant

DEQ reviewed and commented on additional Risk Assessment comments

VRP00462 Staunton Metals Recyclers

The Participant completed an EPA approved sampling plan to address PCBs under TSCA in December of 2012. CSXT changed project managers in September of 2013 and is currently performing a risk assessment to establish risk-based cleanup levels.

VRP00463 Arlington Ridge Shopping Center

DEQ received the Third Quarter 2013 Status Report

VRP00470 Chesapeake Propane

No reported activity this period.

VRP00484 Ahns Cleaners

No reported activity this period.

VRP00489 The Village Shopping Center:

No reported activity this period.

VRP00494 Kings Park Shopping Center:

Certificate issued February 2014

VRP00495 Simmons Rand Property (former)

A supplemental plan for additional characterization was submitted on December 2, 2013. The plan includes additional groundwater and soil sampling in areas of identified contamination and investigation of areas adjacent to residential properties. The SCR work plan was reviewed and comments were provided on 1/6/14. A response to the comments was provided by the consultant on 2/11/14. The VDH finalized the health assessment conducted at the request of local residents. A presentation of the findings was presented at a public meeting on February 11, 2014. No link was found between the site and local occurrence of various cancers but removal of some soil due

to lead contamination is expected.

VRP00496 Columbus McKinnon Corporation

An updated Site Characterization Report was submitted to DEQ and is currently being evaluated.

VRP00499 Bristol Compressor

Certificate issued in October 2013 and recorded in December 2013.

VRP00500 Great Bridge Cleaners

Public notice of the remediation effort was made on October 27, 2013. The consultant submitted the Demonstration of Completion on 12/16/14. The Certificate of Satisfactory Completion of Remediation is currently being drafted while final site surveys were submitted on 3/24/14.

VRP00506 Virginia Carolina Chemical

A draft copy of the VRP Certificate, and UECA Environmental Covenant were submitted and are being reviewed by DEQ. The participant has also proposed a change to the area being restricted for residential use. DEQ is awaiting submittal of an updated risk evaluation to justify the proposed change.

VRP00507 Bergmann's Cleaning/Lee Highway Sites

A meeting was held on 10/3/13 with the participant's counsel, consultant and developer to discuss the SCR and risk assessment review comments. As a result vapor mitigation system will be included in revised RAP. The risk assessment will be revised for residential use of entire site. A response to DEQ review comments and a revised RAWP were submitted on 10/18/13. Discussions with consultant regarding remedial actions took place on 10/30/13. Vapor mitigation is proposed for the entire structure footprint to include the garage. DEQ provided a comfort letter on 11/14/13 for the financing institution explaining that progress is being made towards issuance of a certificate.

VRP0508 Progress Metals Reclamation/Bluefield Recycling Facility

No activity was reported this period, however there is ongoing activities regarding oversight of an UST remediation.

VRP00509 Former BGF Industries Facility

No information submitted to DEQ-VRP during this time period.

VRP00511 Telegraph Road Landfill – Eastern Mound

The participant continues to work with the DEQ regional office (NRO) to address off-site migration of landfill gas. Issuance of the VRP Certificate is contingent upon off-site migration of LF gas being in compliance with the facility's permit.

VRP00513 Catalanos Cleaners

A Remedial Action Work Plan was submitted in March 2014 and is being evaluated by DEQ.

VRP00516 Clothing Care

No reported activity this period.

VRP00520 Del Ray Shopping Center

Remedial action plan was approved. Construction completed in early 2014. Remediation Summary Report under development.

VRP00523 The Commons Shopping Center

A SCR with a revised risk assessment for residential use was submitted on 12/2/13. Review of the risk assessment for residential use was completed and a comment letter was sent on 3/7/14. The site may need an institutional control for hardscape or additional surface soil sampling.

VRP00524 FC Associates, LC

No activity was reported this period.

VRP00525 Cintas-Former Metropolitan Uniform Services

Results of the July/August 2014 vapor intrusion sampling event were provided on 11/21/13. Additional crawlspace and basement air samples have been requested to account for seasonal variation.

VRP00528 Roanoke River Parkway

Certificate issued in March 2014.

VRP00535 Degen Property

No activity was reported this period.

VRP00536 Richmond BMW/Crown BMW

The second addendum to the site characterization report was submitted by the consultant on 2/19/14. An additional monitoring well was installed and an additional round of groundwater and sub-slab vapor sampling was conducted. Sub-slab vapor appears to have dissipated and no groundwater contamination has been detected.

VRP00537 Block 4 Portcentre Park

The Demonstration of Completion report and Documentation of Public Notice was submitted in January 2014. DEQ is currently reviewing the Draft Certificate.

VRP00538 Siegwerk Publication USA Inc.

No activity was reported this period.

VRP00540 Sully Place Shopping Center-Parcel 16D

No activity was reported this period.

VRP00541 Green Run Square

No activity was reported this period.

VRP00545 Wornom Parcels

Groundwater sampling results were submitted on 1/8/14.

VRP00546 Danville Riverside Complex #8

A Site Characterization Report (SCR), including the risk assessment, was submitted in May 2013. A teleconference was held in July 2013 to discuss data gaps identified by DEQ in the SCR. The report is to be revised and resubmitted.

VRP00547 Disposition Parcel 209

No information has been submitted for this reporting period.

VRP00548 Potomac Yard Landbay G

Three parcels of the Landbay G site are currently being developed in accordance with the approved RAP.

VRP00549 3555 & 3565 Chain Bridge Road

No activity was reported this period.

VRP00552 Pear Tree Village Center

A meeting with the participants counsel and consultant took place on 3/27/14.

VRP00553 Concord Shopping Center

No activity was reported this period.

VRP00554 Crest Cleaners (Huntsman Square)

Quarterly Status Report received January 2014

VRP00555 Hunter Property – Parcel 6A

No activity was reported this period.

VRP00556 (Former) Republic Creosote

No information submitted to DEQ-VRP during this time period.

VRP00558 GEFAC Facility

The DEQ has concurred with Demonstration of Completion and the Certificate of Satisfactory Completion has been drafted. Signing of the certificate is being delayed by negotiations between the participant and the county on a subordination agreement.

VRP00560 Davis Industries Site (former)

Arlington and DEQ held several conference calls and meetings to discuss Demonstration of Completion Report for Parcels 14 and 15 and the development of the Certificate as well as the next phases of work.

VRP00563 Backlick Road Property

No information submitted to DEQ-VRP during this time period.

VRP00564 Neuman Aluminum USA

An onsite meeting and tour was conducted on October 28, 2013 to discuss SCR review



comments and offsite delineation of plume. Well and boring locations were marked and field work was to begin shortly thereafter.

VRP00565 Allison and Addison Site

No activity was reported this period. The City of Richmond is still coordinating other stakeholders in advance of moving forward with planned remediation activities. The City again asked DEQ to implement IC/EC's via conservation easement vs. deed restriction with no decision made.

VRP00566 Former A.O. Smith Facility

Nate Tice was assigned as the new Project Officer. Dec 2013 Conference Call – status & RPM transfer. January 2014 received a Supplemental Risk Assessment. RPM and RA comments were provided Mar 2014. DEQ recommended an Apr 2014 site visit and meeting to discuss obtaining certification.

VRP00568 Ferry Farms Dry Cleaner

No activity by the participant this reporting period..

VRP00569 1801 Commerce Road (Former RUS Facility)

The participant sold the site with an agreement to complete the VRP effort, however, the FDIC has reported that the participant has dissolved. Future actions are unknown.

VRP00571 Promenade Pointe

The consultant informed DEQ in March 2014 that the redevelopment of the site is nearing completion. The next steps in the process are submittal of the Demonstration of Completion report and issuance of the Public Notice.

VRP00572 Telegraph Road Landfill – Western Mound

The participant continues to work with the DEQ regional office (NRO) to address off-site migration of landfill gas. Issuance of the VRP Certificate is contingent upon off-site migration of LF gas being in compliance with the facility's permit.

VRP00573 Richmond City Garage Complex

No information submitted to DEQ-VRP during this time period.

VRP00575 Hopeman Brothers

No activity by the participant this reporting period.

VRP00578 Dulles Discovery 3220 Centreville Road

SCR submitted

VRP00581 Campostella Square

The participant submitted a site characterization report on 10/22/13. A review of the SCR was completed on 12/30/13. The SCR only characterized the coal ash fill. Results of the review were discussed with the consultant in a phone call on 2/27/14.

VRP00582 Meadow Landing South

The participant submitted a site characterization report on 10/22/13. A review of the SCR was completed on 12/30/13. The SCR only characterized the coal ash fill. Results of the review were discussed with the consultant in a phone call on 2/27/14.

VRP00583 General Electric Power and Water

No activity was reported this period.

VRP00584 Rosenthal Chevrolet – South Block

The VRP Certificate for the South Block was issued in January 2014, and recorded in the land records in February 2014.

VRP00585 Alexandria Sanitation Authority

No information submitted to DEQ-VRP during this time period.

VRP00588 City Walk Development

On January 30, 2014, a meeting was conducted with the consultant (Geoenvironmental Consultants) to discuss future investigational options and a possible projected path forward.

VRP00589 Widdiefield Property

RAWP completed and conference calls indicate Demonstration of Completion Report is under development.

VRP00590 Kinder Morgan Money Point Terminal

SCR development in progress

VRP00594 601 North Fairfax Street

Certificate issued December 2013

VRP 00593 Potomac Yard Landbay L

Demonstration of Completion Report submitted

VRP00592 The Madison

Certificate issued February 2014

VRP 00598 Albano Cleaners

SCR and Risk Assessment submitted to DEQ

VRP 00595 Former Fairfax Lumber (VDOT)

I-95 Fort Belvoir North ramp information submitted to DEQ

VRP 00599 628-636 South Pickett Street

Certificate issued March 2014

VRP00601 Parcel C, Landbay G

DEQ provided one comment in February 2014 regarding the off-site drinking water pathway that

must be addressed before final approval of the Demonstration of Completion report.

VRP00602 Parcel F, Landbay G

DEQ provided one comment in February 2014 regarding the off-site drinking water pathway that must be addressed before final approval of the Demonstration of Completion report.

VRP00603 Fox Homes

No activity during the reporting period.

VRP00604 Former American Sign & Flag Company

No information submitted to DEQ-VRP during this time period.

VRP00605 Former Spicer Property

The site characterization report was submitted on 12/2/13. A review of the SCR was completed and comments were provided in a letter on 2/7/14.

VRP 00606 Carlyle Block 26B

Additional Risk Assessment comments were responded to and reviewed by DEQ

VRP 00607 Ford Area 3& 4

Brief discussions occurred regarding completion of the site and end use restrictions.

VRP 00608 Long Bridge Park - Aquatics Center

Arlington and DEQ staff conducted several conference calls and meetings to discuss this portion of the site and the next three phases of work to be completed. At this point the phases and the work to be completed during each portion are under revision due to project costs.

VRP 00609 Potomac Yard Landbay J

Post excavation sampling plan was submitted to DEQ

VRP 00610 Fairfax Centre I Shopping Center

A site characterization report was submitted on 11/11/13. A review of the SCR was completed and a comment was letter sent on 12/19/14. Call with the consultant to discuss SCR review comments was held on 1/10/14. Installation of 2 additional wells is likely as a result of the SCR review and discussion.

VRP 00611 Former Stillwater Textile Plant

The *Site Characterization, Risk Assessment, and Remediation Assessment Report* was submitted for review in September 2013.

VRP 00612 Former Burlington Hurt

DEQ was notified that the investment partnership with interest in the site was still working towards securing financing and providing comfort via a Lessee-BFPP-type agreement

VRP00613 Former Block Parcel – Hess Corp

The Site Characterization Work Plan was discussed with the consultant in December 2013.

VRP00614 Parcel B1 – Hess Corp

The Site Characterization Work Plan was discussed with the consultant in December 2013.

VRP00615 Heritage Village

Quarterly Status Report submitted to DEQ

VRP 00616 Clover Tysons

A call was held with the consultant on 10/7/13 to discuss comments resulting from a review of the site characterization and risk assessment. A plan for sampling the sidewall of the site excavation was provided as a result of the SCR comments and discussions. Additional sampling points have been requested.

VRP00617 Parcel H, Landbay G

A Post Excavation Sampling Plan was submitted and reviewed by DEQ in February 2014.

VRP00618 Safeway Store #3250

No activity reported during period.

VRP 00619 Annandale Shopping Center

A quarterly status report was submitted on 11/4/13 summarizing site characterization activities that had recently taken place. Groundwater and soil sampling indicated impacts of VOC's. The VRP fee was paid on 1/16/14 and the site was enrolled into the VRP.

VRP00620 American Safety Razor Site

Field work to support the site characterization was conducted in late October through November. Numerous borings and monitoring wells were installed and included down hole camera logging. LNAPL and DNAPL are present onsite. Discussions with the consult have indicated potential vapor intrusion issues based on preliminary sub-slab vapor sampling.

VRP00621 Atlantic Creosote

EPA, DEQ, and KMVLT came to agreement on language contained in the Remediation Agreement and was subsequently signed by KMVLT and went to public notice

VRP00623 Dabney Run

A phone call was held in December 2013 to discuss the sampling plan. Sampling in support of the SCR occurred in January 2014 and preliminary data was submitted to VDEQ in March 2014.

VRP00624 Kempsville Crossing

Stokes Environmental was awarded the ongoing work at the site and was sent a vitashare link for electronic documents

VRP00626 Accotink Village

Registration fee received

VRP00628 Norfolk Welding

No activity to report this period

VRP00629 Potomac Yard Landbay H&I

SCR and RA submitted to DEQ

VRP00630 Penn Daw Plaza

Site was deemed eligible and Eligibility determination letter sent January 7, 2014 and the Fee was paid.

VRP00631 Statesman Park Landfill

Site was deemed eligible, paid VRP fee, and submitted SCR to DEQ

VRP00632 Crop Production Services

A VRP application was submitted for this site in October 2013. The site was deemed eligible to participate in the VRP by DEQ in December 2013. The VRP registration fee was received by DEQ in January 2014. Email discussions were held with the consultant in February 2014 regarding the potential for groundwater withdrawal at the site. A kickoff meeting is currently being scheduled.

VRP00633 Former Reynolds South Plant

A VRP application was submitted for this site in November 2013. The site was deemed eligible to participate in the VRP by DEQ in December 2013. A kick-off meeting and site visit was held in January 2014, and February 2014, respectively. Data is being collected for preparation of the Site Characterization Report.

VRP00634 Hampton Inn & Suites

DEQ Eligibility Determination Letter submitted on January 20, 2014. Registration fees received on January 30, 2014. A meeting was conducted with the consultant (Silka Environmental Services) on April 1, 2014 to discuss future investigational options to support forthcoming SCR.

VRP00635 Hilltop Center

Application received, eligibility determined, and fee paid

VRP00636 Rosenthal Chevrolet North Block

This site was divided from a portion of VRP00584, since it was being developed separately. All of the VRP investigation was documented under VRP 00584. DEQ reviewed and approved the Demonstration of Completion, and issued the VRP Certificate in January 2014.

VRP00637 Praxair, Inc.

Praxair Inc. applied to the VRP on 12/18/13 and the site was deemed eligible to participate on 2/27/14. Recent discussions indicated that the site may be expanded and the participant will be the site developer. Initial investigation of the Praxair property indicate low level VOCs.

VRP00639 Proposed Family Dollar

A VRP application was submitted for this site in February 2014. The site was deemed eligible to

participate in the VRP by DEQ in February 2014. DEQ is awaiting submittal of the VRP registration fee.